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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number 10705,793

Filing Date November 7, 2003

First Named Inventor Leonid B. Galperin et al.

Art Unit 1764

Examiner Name Walter Dean Griffin

Attorney Docket Number 107404

**ENCLOSURES (Check all that apply)**

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement

- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/Incomplete Application
- ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
- ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_
- ☐ Landscape Table on CD

Remarks

- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interference
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):
- PCT International Search Report

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name UOP LLC

Signature *Frank S. Molinaro*

Printed name Frank S. Molinaro

Date November 9, 2004

Reg. No. 32,710

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature *Margherita M. Laricchia*

Typed or printed name Margherita M. Laricchia

Date November 9, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Name (Print/Type)	Margherita M. Laricchia	Fax # (if faxed)	703-872-9306
Signature	<i>Margherita M. Laricchia</i>	Date	November 9, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/705,793  
Applicant : 107404  
Filed : November 7, 2003  
TC/A.U. : 1764  
Examiner : Walter Dean Griffin

Confirmation No. 4817

Docket No. : 107404  
Customer No. : 23490

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS AFTER RECEIPT OF A PATENT SEARCH REPORT  
FROM A FOREIGN PATENT OFFICE (37 C.F.R. §1.97(c)(1))**

Sir:

The information disclosure statement transmitted herewith is being filed before the mailing of an Office Action. Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. Attached please find a copy of the PCT Search Report dated 27 September 2004.

Respectfully submitted,



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FSM/mml



## PATENT COOPERATION TREATY

## PCT

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## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 107404 (2479)	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2004/012039	International filing date (day/month/year) 20/04/2004	(Earliest) Priority Date (day/month/year)
Applicant UOP LLC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

## 4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

CATALYST FOR SELECTIVE OPENING OF CYCLIC PARAFFINS AND PROCESS FOR USING THE CATALYST

## 5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/US2004/012039

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J29/85 C10G71/00 C07C5/22 C10G45/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C10G C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/006155 A1 (KRUG RUSSELL R ET AL) 5 July 2001 (2001-07-05) paragraph '0014! - paragraph '0075!; claims; examples; tables	1-10
X	US 6 458 265 B1 (KRUG RUSSELL R ET AL) 1 October 2002 (2002-10-01) column 1, line 53 - column 8, line 55; claims; examples; tables	1-10
X	US 6 204 426 B1 (KRUG RUSSELL R ET AL) 20 March 2001 (2001-03-20) column 1, line 62 - column 9, line 4; claims; examples; tables	1-10
A	US 5 885 438 A (RUBIN MAE K ET AL) 23 March 1999 (1999-03-23)	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

15 September 2004

Date of mailing of the international search report

27/09/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
4700 LB Dordrecht

Authorized officer

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/012039

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001006155 A1	05-07-2001	US 6204426 B1	20-03-2001
		AU 774816 B2	08-07-2004
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